

CLAIMS

1. A method of receiving an encrypted application at a terminal (60) in a digital broadcasting system, the terminal having access to an interaction channel (85) which can carry signalling to an external party (55), the method comprising the steps of:
- 5 receiving details about an encrypted application (320);
- authorizing the terminal (60) to access the application (320) by sending an authorization request (314) over the interaction channel (85) to an
- 10 authorizing entity (55);
- receiving a key (215) over the interaction channel (85) in response to being authorized;
- receiving the encrypted application (320);
- decrypting the encrypted application (320) using the received key (215).
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2. A method according to claim 1 wherein the step of receiving details about the application comprises receiving a launcher application (310) which is arranged to authorize the terminal.
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3. A method according to claim 1 or 2 wherein the step of receiving details about the application comprises receiving a launcher application (310) which is arranged to decrypt the application (320).
4. A method according to claim 2 or 3 wherein the launcher
- 25 application (310) is received via a different delivery channel to the encrypted application (320).
5. A method according to any one of the preceding claims wherein the step of decrypting the application is performed by an application loader
- 30 (316).

6. A method according to claim 5 wherein the application loader (316) is a Java ClassLoader.

7. A method according to any one of the preceding claims wherein
5 the received details include one or more of: an encryption method used to encrypt the application; cost of the application; payment details.

8. A method according to any one of the preceding claims further comprising the step of collecting payment details from a user of the terminal.
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9. A method according to any one of the preceding claims further comprising the step of collecting payment from a user of the terminal.

10. A method according to any one of the preceding claims wherein
15 the terminal has a public/private key pair (210, 220) and the step of contacting an external party (55) comprises sending the public key (210) to the external party (55).

11. A method according to claim 10 further comprising receiving a
20 decryption key (216) from the external party which has been encrypted using the public key (210).

12. A method according to claim 10 or 11 wherein the public/private key pair uniquely identify the terminal.
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13. A method according to any one of claims 10 to 12 wherein the public key is signed by a manufacturer of the terminal.

14. A method according to any one of the preceding claims wherein
30 the digital broadcasting system does not use a conditional access (CA) system.

15. A method according to any one of the preceding claims wherein the digital broadcasting system is the Multimedia Home Platform (MHP).

16. A control apparatus for a terminal in a digital broadcasting system which is arranged to perform the method according to any one of the preceding claims.

17. Software for controlling operation of a terminal in the manner according to the method of any one of claims 1 to 15.

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18. A terminal incorporating the control apparatus according to claim 16 or software according to claim 17.

19. A method of transmitting an application to a terminal (60) in a digital broadcasting system, the terminal having access to an interaction channel (85) which can carry signalling to an external party (55), the method comprising the steps of:

transmitting details about an encrypted application, including a launcher application (320) which is arranged to authorize the terminal (60) to access the encrypted application (320) by sending an authorization request (314) over the interaction channel (85) to an authorizing entity (55); receive a key (215) over the interaction channel (85) in response to being authorized; and decrypt the application using the key (215); and,

transmitting the encrypted application (320).

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20. Software for an application for transmission to a terminal in a digital broadcasting system, the terminal having access to an interaction channel (85) which can carry signalling to an external party (55), the application comprising a launcher application (310) comprising code which, when executed by a processor in the terminal (60), causes the processor to perform the steps of:

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authorizing the terminal (60) to access an encrypted application (320) by sending an authorization request (314) over the interaction channel (85) to an authorizing entity (55) and to receive a key (215) over the interaction channel (85) in response to being authorized; and,

5 decrypting the encrypted application using the received key (215).

21. A signal for transmission in a digital broadcasting system, the signal embodying software according to claim 20.

10 22. A method of transmitting an encrypted application to a terminal in a digital broadcasting system in which a conditional access (CA) system is not in use, the method comprising:

transmitting unencrypted details about the encrypted application, the details including one or more of: an encryption method used to encrypt the
15 application; cost of the application; payment details; and,
transmitting the encrypted application.

23. A method of receiving an encrypted application, a control apparatus, software, a terminal, a method of transmitting an application or a
20 signal substantially as described herein with reference to and as shown in the accompanying drawings.